

Add Fractions With Unlike Denominators

Add $\frac{4}{5} + \frac{2}{3}$.

Step 1: Use the LCD to find equivalent fractions.

$$\begin{array}{r} \frac{4}{5} = \frac{12}{15} \\ + \frac{2}{3} = \frac{10}{15} \end{array}$$

Step 2: Add the fractions.

$$\begin{array}{r} \frac{12}{15} \\ + \frac{10}{15} \\ \hline \frac{22}{15} \end{array}$$

Step 3: Simplify.

$$\frac{22}{15} = 1\frac{7}{15}$$

Add. Write each sum in simplest form.

1. $\frac{2}{3} + \frac{2}{8}$

2. $\frac{3}{4} + \frac{5}{8}$

3. $\frac{9}{10} + \frac{3}{5}$

4. $\frac{6}{7} + \frac{1}{2}$

5. $\frac{5}{6} + \frac{7}{9}$

6. $\frac{1}{3} + \frac{4}{10}$

7.
$$\begin{array}{r} \frac{3}{10} \\ + \frac{9}{20} \end{array}$$

8.
$$\begin{array}{r} \frac{6}{10} \\ + \frac{1}{4} \end{array}$$

9.
$$\begin{array}{r} \frac{5}{8} \\ + \frac{5}{6} \end{array}$$

10.
$$\begin{array}{r} \frac{2}{8} \\ + \frac{3}{4} \end{array}$$

11.
$$\begin{array}{r} \frac{3}{7} \\ + \frac{1}{3} \end{array}$$

12.
$$\begin{array}{r} \frac{9}{10} \\ + \frac{3}{15} \end{array}$$

Problem Solving

13. A chef used $\frac{3}{4}$ cup of water, $\frac{1}{2}$ cup of milk, and $\frac{1}{8}$ cup of orange juice in a recipe. How many cups of ingredients did she use altogether?
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Show Your Work